



EC555

Simplifies Coating Thickness Measurement

The EC-555 series uses both eddy current and magnetic induction principles. The device identifies the substrate types and switches the mode to simplify the measurement process. The readings can be sent to your laptop using a USB cable. Sharing the readings to your mobile via Bluetooth is also possible.

Main Features

- * EC-555 comes with the ruby probe.
- * The EC-555 series has a 2-inch color screen.
- * Its resolution is up to 0.1 μm .
- * The device's measurement range is between 0-2000 μm .
- * It records the coating thickness and can send it to the computer.
- * Three batteries, an F/N probe, a USB cable, and five foils accompany this device.
- * You can adjust the volume of the sound.
- * EC-555 supports zero and multipoint calibration.
- * It shuts down automatically when not in use.
- * EC-555 can send its readings to the mobile app.
- * It can send its reading by Bluetooth connectivity.
- * The display supports auto-rotation.
- * The backlight is adjustable.
- * It displays the data as a bar or curve chart.
- * It is a portable and durable device.
- * EC-555 can measure the thickness of non-conductive coatings on any metallic surface.
- * It can measure the coating thickness of nonferromagnetic metal coatings on ferromagnetic metals like iron and nickel.



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| Model | EC-555 |
| Probe type | Internal probe |
| Measuring principle | Fe: Magnetic induction ; NFe: Eddy currents |
| Measuring range | 0~2000μm |
| Accuracy | ±(3%+1μm) |
| Resolution | 0.1μm(0~100μm) ; 1μm(>100μm) |
| Unit | μm, mm, mils, inch |
| Calibration | Zero calibration ; Multi-point calibration |
| Statistic | Number of data, maximum, minimum, mean, sample standard deviation, coefficient of variation, number below limit, number above limit |
| Chart | Curve, bar chart or trend chart |
| Readings memory | 10X13X10 measurement data |
| Probe trigger mode | Mechanical trigger, trigger force: 0.4~0.8N |
| Minimum curvature radius | Convex 5mm ; Concave 25mm |
| Minimum measuring area | Diameter 15mm |
| Minimum thickness of substrate | Fe: 0.30mm NFe: 0.05mm |
| Maximum measuring rate | 2 readings / s |
| Display | 2 inch color screen |
| Bluetooth & APP | Support |
| Operation environment | Temperature: -10~50°C; Humidity: 20~90%RH (Non-condensing) |
| Storage environment | Temperature: -20~60°C ; Humidity: 20~90%RH (Non-condensing) |
| Power supply | 3 pcs 1.5V AAA alkaline batteries ; 3 pcs 1.2V AAA rechargeable batteries |
| Protection class | IP40 |
| Size | 133mmX68mmX30mm |
| Case material | ABS |
| Weight | About 90g (No battery) |
| Standards / Certificates | CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003, JJG-818-2005 |
| Warranty | 12 months |